



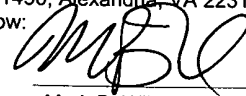
FULBRIGHT & JAWORSKI L.L.P.

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January 12, 2004

CERTIFICATE OF MAILING 37 C.F.R. 1.8	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: MS DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:	
January 12, 2004	
Date	Mark B. Wilson

MS DD
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RE: *U.S. Patent Application No. 10/688,058 entitled "METHODS AND COMPOSITIONS FOR VACCINATION COMPRISING NUCLEIC ACID AND/OR POLYPEPTIDE SEQUENCES OF THE GENUS BORRELIA" – Kathryn F. Sykes et al.*
Our reference: MCRO:003US
Client reference: UTSD:0872

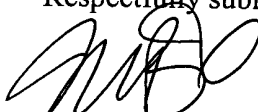
Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references A1 and C1-C15.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/MCRO:003US.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,


Mark B. Wilson
Reg. No. 37,259

MBW/kmv
Encl.: as noted



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Kathryn F. Sykes *et al.*

Serial No.: 10/688,058

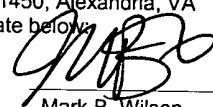
Filed: October 17, 2003

For: METHODS AND COMPOSITIONS FOR
VACCINATION COMPRISING
NUCLEIC ACID AND/OR
POLYPEPTIDE SEQUENCES OF THE
GENUS BORRELIA

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: MCRO:003US

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January 12, 2004	
Date	Mark B. Wilson

INFORMATION DISCLOSURE STATEMENT

MS DD
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

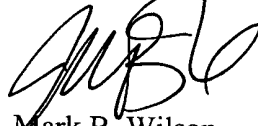
In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/MCRO:003US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Mark B. Wilson
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Attorney for Applicants

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600 Congress Avenue, Suite 2400
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(512) 474-5201

Date: January 12, 2004

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

MCRO:003US

10/688,058

List of Patents and Publications for Applicant's

Applicant

Kathryn F. Sykes *et al.*

INFORMATION DISCLOSURE STATEMENT

Filing Date:

October 17, 2003

Group:

Unknown

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	5,703,057	12/30/97	Johnston <i>et al.</i>	514	44	4/7/95

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Almazán <i>et al.</i> , "Identification of protective antigens for the control of <i>Ixodes scapularis</i> infestations using cDNA expression library immunization," <i>Vaccine</i> , 21:1492-1501, 2003
	C2	Barry <i>et al.</i> , "Protection against mycoplasma infection using expression-library immunization," <i>Nature</i> , 377(6550):632-635, 1995.
	C3	Brayton <i>et al.</i> , "Expression library immunization to identify protective antigens from <i>Cowdria Ruminantium</i> ," <i>Ann. NY Acad. Sci.</i> , 849:369-371, 1998.
	C4	Iyer <i>et al.</i> , Conservation and heterogeneity of vlsE among human and tick isolates of <i>Borrelia burgdorferi</i> ," <i>Infect. Immun.</i> , 68(3):1714-1718, 2000.
	C5	Lawrenz <i>et al.</i> , "Human antibody responses to VlsE antigenic variation protein of <i>Borrelia burgdorferi</i> ," <i>J. Clin. Microbiology</i> , 37(12):3997-4004, 1999.
	C6	Lowrie <i>et al.</i> , "Towards a DNA vaccine against tuberculosis," <i>Vaccine</i> , 12(16):1537-1540, 1994.
	C7	Luke <i>et al.</i> , "An OspA-based DNA vaccine protects mice against infection with <i>Borrelia burgdorferi</i> ," <i>J. Infect. Dis.</i> , 175:91-97, 1997.
	C8	Manoutcharian <i>et al.</i> , "Protection against murine cysticercosis using cDNA expression library immunization," <i>Immunol. Lett.</i> , 62(3):131-136, 1998.
	C9	Piedrafita <i>et al.</i> , "Protective immune responses induced by vaccination with an expression genomic library of leishmania major," <i>J. Immunol.</i> , 163(3):1467-1472, 1999.

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EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



Form PTO-1449 (modified)

Atty. Docket No.

MCRO:003US

Serial No.

10/688,058

List of Patents and Publications for Applicant's

Applicant

Kathryn F. Sykes *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

October 17, 2003

Group:

Unknown

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C10	Smooker <i>et al.</i> , "Expression library immunization protects mice against a challenge with virulent rodent malaria," <i>Vaccine</i> , 18:2533-2540, 2000.
	C11	Sykes and Johnston, "Genetic live vaccines mimic the antigenicity but not pathogenicity of live viruses," <i>DNA Cell. Biol.</i> , 18(7):521-531, 1999.
	C12	Sykes <i>et al.</i> , "Evaluation of SIV library vaccines with genetic cytokines in a macaque challenge," <i>Vaccine</i> , 20(17-18):2382-2395, 2002.
	C13	Tang <i>et al.</i> , "Genetic immunization is a simple method for eliciting an immune response," <i>Nature</i> , 356:152-154, 1992.
	C14	Wallich <i>et al.</i> , "DNA vaccines expressing a fusion product of outer surface proteins A and C from <i>Borrelia burgdorferi</i> induce protective antibodies suitable for prophylaxis but not for resolution of Lyme disease," <i>Infection and Immunity</i> , 69(4):2130-2136, 2001.
	C15	Zhang <i>et al.</i> , "Antigenic variation in Lyme disease borreliae by promiscuous recombination of VMP-like sequence cassettes," <i>Cell</i> , 89(2):275-285, 1997.

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